Figure 1

Component	Example 1	Example 2	Example 3	Example 4
[A] Alpoclar 200	81 g	81 g	81 g	81 g
[B] Magnesium chloride solution (23%)	15 g	15 g	15 g	15 g
[C1] Polyamine CO 501	1.33 g	4.0 g	–	1.0 g
[C2] Polyamine CO 502	1.33 g	–	4.0 g	1.0 g.
[C3] PolyDADMAC CO 509	1.33 g	–	–	2.0 g

Figure 2

Component	Active Ingredient	Example 1	Example 2	Example 3	Example 4
[A] Alpoclar 200	Al	7.70 g	7.70 g	7.70 g	7.70 g
[B] Magnesium chloride solution	Mg	0.83 g	0.83 g	0.83 g	0.83 g
[C1] Polyamine CO 501	Polyamine	0.53 g	1.60 g	–	0.40 g
[C2] Polyamine CO 502	Polyamine	0.66 g	–	1.99 g	0.50 g
[C3] PolyDADMAC CO 509	PolyDADMAC	0.53 g	–	–	0.80 g

Figure 3

Eglisau Wastewater Treatment Plant		August–November			
		1998	% purification	2000	% purification
Hydraulic input biology feed	m^3	232.360		221.972	
Input BOD_5	kg	54.325		53.167	
Input ammonium - N	kg	2.702		3.502	
Input phosphorus total	kg	812		967	
Total undissolved substances	kg	949		937	
Elimination of BOD_5	kg	53.068	98	52.635	99
Elimination of ammonium - N	kg	2.675	97	3.488	99
Elimination of phosphorus total	kg	739	91	740	76
Fe precipitating/flocculating agent	kg	15.860		0	
Test product (Example 2)	kg	0		6.107	
Product per m^3 of water to be purified	g	68		28	

Figure 4

Bäretswil Wastewater Treatment Plant		September–November			
		1999		2000	
		% purification		% purification	
Hydraulic input biology feed	m^3	185.907		219.691	
Input BOD_5	kg	19.044		17.377	
Input ammonium - N	kg	3.729		3.689	
Input phosphorus total	kg	564		637	
Total undissolved substances	kg	1.004		889	
Elimination of BOD_5	kg	18.222	96	16.362	94
Elimination of ammonium - N	kg	941	25	2.790	74
Elimination of phosphorus total	kg	506	90	568	89
Fe/Al precipitating agent	kg	17.457		0	
Test product (Example 3)	kg	0		7.542	
Product per m^3 of water to be purified	g	94		34	

Figure 5

Wangen a. d. Aare Wastewater Treatment Plant		August–October			
		1998 % purification		2000 % purification	
Hydraulic input biology feed	m^3	457.935		390.490	
Input BOD_5	kg	24.433		17.502	
Input COD		53.483		36.844	
Input ammonium - N	kg	3.950		5.215	
Input phosphorus total	kg	1.032		857	
Elimination of BOD_5	kg	23.237	94	16.509	94
Elimination of COD	kg	46.574	87	31.092	84
Elimination of ammonium - N	kg	3.783	96	5.061	97
Elimination of phosphorus total	kg	266	25	613	71
Fe precipitating/flocculating agent	kg	(unknown)		0	
Test product (Example 4)	kg			14.280	
Product per m^3 of water to be purified	g	(unknown)		37	